

DEPARTMENT OF THE ARMY
Omaha District, Corps of Engineers
106 South 15th Street
Omaha, Nebraska 68102-1618

:NOTICE: Failure to acknowledge : Solicitation No. DACA45-03-B-0004
:all amendments may cause rejec- :
:tion of the bid. See FAR : Date of Issue: 10 JUN 2003
:52.214-3 of Section 00100 : Date of Opening: 16 JUL 2003

Amendment No. 0002
03 July 2003

SUBJECT: **Amendment No. 0002** to Specifications and Drawings for Construction of
Fire/Crash Rescue Station, Offutt AFB, Nebraska
Solicitation No. DACA45-03-B-0004.

TO: Prospective Bidders and Others Concerned

1. The specifications and drawings for subject project are hereby modified
as follows (revise all specification indices, attachment lists, and drawing
indices accordingly).

a. Specifications. (Descriptive Changes.)

1. **Section 00800, Page 12:** Para. 1.24, line 3, after "Such
property will...jobsite at his own expense." add: Warehouse
does not have loading dock access. Items below not marked with
an * are considered new and may require unpacking and assembly
prior to placement."

2. **Section 00800, Page 15:** Para. 1.27, line 15, delete:

"Provide one phone line for voice, and one high-speed data line (T1 or DSL)
for computer use. The computer line should be provided through coordination
with Contracting Officer. If high-speed data is not available through the
Base, a second phone line shall be installed to the trailer for computer use.

Substitute the following:

"Provide one phone line for voice, one fax line, and one high-speed data line
(T1 or DSL) for computer use. The T1 or DSL line shall be provided by the
Contractor, through the Local Provider. Local Provider's cable and data box
is located in proximity to the Physical Fitness Center. Coordinate connection
with the Contracting Officer."

3. **Section 04200, Page 13,** delete title and contents of Para.
2.14 and substitute the following new title, paragraph and
subparagraphs:

"THROUGH-WALL-FLASHING

Provide one of the following types except that flashing indicated to
terminate in reglets shall be metal or coated-metal flashing] and except that
the material shall be one which is not adversely affected by dampproofing
material.

- a. Coated-Copper Flashing: 7 ounce, electrolytic copper sheet, uniformly coated on both sides with acidproof, alkaliproof, elastic bituminous compound. Factory apply coating to a weight of not less than 6 ounces per square foot (approximately 3 ounces per square foot on each side).
- b. Copper or Stainless Steel Flashing: Copper, ASTM B 370, minimum 16 ounce weight; stainless steel, ASTM A 167, Type 301, 302, 304, or 316, 0.015 inch thick, No. 2D finish. Provide with factory-fabricated deformations that mechanically bond flashing against horizontal movement in all directions. Deformations shall consist of dimples, diagonal corrugations, or a combination of dimples and transverse corrugations.
- c. Reinforced Membrane Flashing: Polyester film core with a reinforcing fiberglass scrim bonded to one side. The membrane shall be impervious to moisture, flexible, and not affected by caustic alkalis. The material, after being exposed for not less than 1/2 hour to a temperature of 32 degrees F, shall show no cracking when, at that temperature, it is bent 180 degrees over a 1/16 inch diameter mandrel and then bent at the same point over the same size mandrel in the opposite direction 360 degrees."

4. Section 09915, Page 1: Para. 2.2.1.8 ,d delete "Precast Column Covers" and substitute "Cast in Place Columns".

5. Section 14602A:

- a) Page 5, Para. 1.1: delete Reference: "UL674" and accompanying title "(1994...Locations"
- b) Page 9, Para 1.5.2.2: Title, after "Hoist Characteristics" add "(Hose Drying Tower)". Also in line 1 after "...electric-wire-rope" add "or chain link"
- c) Page 9: add new paragraph to the Section:

"1.5.2.3 Hoist Characteristics (Apparatus Bay)

Hoist shall be an electric-chain hoist on a trolley, class, control, suspension, lift, and operating characteristics specified. Each hoist shall have the capacity, lift-height, suspension, power source, and operating characteristics indicated and as follows:

- a. Hoist capacity shall be 2 1/2 tons.
- b. Hoist shall be a standard hook with a minimum lift of 17 feet.
- c. The hoist shall be the lug-suspension type mounted on an electric-motor-driven trolley.
- d. The hoist and suspension shall be the standard headroom type.
- e. Components of the hoist shall be designed and constructed for safety of operation and durability of components. Replacement parts shall be interchangeable and readily accessible.

The drive shall operate on a wide flange or H beam."

d) **Page 5, Para. 2.1.5:** for Hose Drying Tower, under "Hoist Type" after "Wire" add "or Chain".

e) **Page 10:** delete contents of Para. 2.2.1.2 and substitute the following:

"Chain shall be a zinc electro-plated, resistance-welded, heat-treated alloy steel link chain conforming to FS RR-C-271, Type I, Grade C, Class 1 or 2. Chain shall be designed for hoist service and shall be of sufficient section, hardness, and strength to meet specification requirements and to withstand the tests specified in ASME HST-2."

f) **Page 16, Para. 2.6.6:** line 5, delete "m-hertz" and substitute "hertz". Line 6, delete "230" and substitute "480", also delete "m-hertz" and substitute "hertz". Delete entire last sentence "Enclosure shall...Groups C and D"

6. **Section 016415A, Page 35:** Para. 3.2.1, line 3, delete "Minimum size of raceways shall be 1/2 inch." and substitute: "Minimum size of raceways shall be 3/4", unless otherwise indicated on the plans."

b. **Drawings (Not Reissued).** The following drawing sheets of drawing code AF-141-11-02 are descriptively revised as of this amendment. These drawings are not reissued with this amendment.

1. **Sheet C2.02:** Add the following General Note:

"GENERAL NOTES:

1. ALL TREES INDICATED TO REMAIN SHALL BE PROTECTED WITH SNOW FENCING PLACED 3 FEET BEYOND THE DRIP LINE OF THE TREE. GROUPS OF TREES MAY BE PROTECTED FROM DAMAGE WITH SNOW FENCING AROUND THE ENTIRE GROUP OF TREES. CONTRACTORS SHALL TAKE ALL PRECAUTIONS FROM STORING EQUIPMENT OR OPERATING VEHICLES IN THE AREAS OF THESE PROTECTED TREES."

2. **Sheet C8.11:** Add the following 2 new sheet notes:

"2. THE CONTROLLER CABINET ASSEMBLY SHALL MEET ALL OF THE REQUIREMENTS OF THE NEBRASKA DEPARTMENT OF ROADS FOR A TYPE 332 CABINET. INCLUDED IN THE CABINET SHALL BE PROVISIONS FOR A PUSH BUTTON OPERATED EMERGENCY VEHICLE PREEMPTION. THE PUSHBUTTON SHALL BE LOCATED IN THE FIRE/CRASH RESCUE STATION, WITH CONDUIT RUN TO THE TRAFFIC CONTROLLER CABINETS, SEE SHEETS E8.04, EU.01 AND EU.02.

3. THE CONTROLLER UNIT SHALL BE AN EAGLE MODEL 2070 WITH SE-PAC SOFTWARE INSTALLED TO BE COMPATIBLE WITH EXISTING CONTROLLER UNITS LOCATED AT SAC BOULEVARD AND SOUTH AVENUE."

3. **Sheet L1.01:** Add the following Key Notes:

"2. CONTRACTOR SHALL TOPSOIL AND SEED AS SPECIFIED ALL GRADE AREAS DISTURBED BY CONSTRUCTION AND NOT INDICATED TO BE SURFACED OTHERWISE, INCLUDING BUT NOT LIMITED TO AREAS GRADED, AREAS USED FOR STORAGE OF CONTRACTORS MATERIALS, AREAS INDICATED TO HAVE EXISTING PAVEMENTS OR SIDEWALKS REMOVED, UTILITY LINE INSTALLATIONS, AND FENCE REMOVALS."

4. **Sheet L1.02:** At drawing coordinate A3, delete the word "SEED". Also add the following new Key Note:

"2. CONTRACTOR SHALL TOPSOIL AND SEED AS SPECIFIED ALL GRADE AREAS DISTURBED BY CONSTRUCTION AND NOT INDICATED TO BE SURFACED OTHERWISE, INCLUDING BUT NOT LIMITED TO AREAS GRADED, AREAS USED FOR STORAGE OF CONTRACTORS MATERIALS, AREAS INDICATED TO HAVE EXISTING PAVEMENTS OR SIDEWALKS REMOVED, UTILITY LINE INSTALLATIONS, AND FENCE REMOVALS."

5. **Sheet L2.04:** delete contents of Landscape Note No. 1 and substitute the following:

"Contractor shall topsoil and seed as specified all grade areas disturbed by construction and not indicated to be surfaced otherwise, including but not limited to areas graded, areas used for storage of contractors materials, areas indicated to have existing pavements or sidewalks removed, utility line installations, and fence removals."

6. **Sheet F4.01:** add the following two new Key Notes:

"16. MASS NOTIFICATION SYSTEM: PROVIDE A MASS NOTIFICATION SYSTEM STROBE ADJACENT TO ALL LOCATIONS INDICATED TO HAVE A VISUAL FIRE ALARM DEVICE. MASS NOTIFICATION SYSTEM STROBES SHALL BE IDENTICAL TO VISUAL FIRE ALARM DEVICES AS SPECIFIED IN SPECIFICATIONS SECTION 13851A, PARAGRAPH 2.6.4 (VISUAL NOTIFICATION APPLIANCES), EXCEPT THAT A BLUE LENS SHALL BE PROVIDED FOR THE MASS NOTIFICATION SYSTEM STROBES. MASS NOTIFICATION SYSTEM STROBES SHALL BE WIRED ON A COMPLETELY SEPARATE CIRCUIT FROM ANY OTHER FIRE ALARM CIRCUITS. MASS NOTIFICATION SYSTEM STROBES SHALL BE POWERED FROM THE MAIN FIRE ALARM PANEL AND SHALL BE INITIATED FROM A TOGGLE SWITCH LOCATED IN THE COMMUNICATIONS CONTROL ROOM (193) ADJACENT TO THE FIRE ALARM ANNUNCIATOR PANEL (FAA). MASS NOTIFICATION SYSTEM STROBES SHALL BE UNLABELED."

"17. VISUAL FIRE ALARM DEVICE LABELING: ALL VISUAL FIRE ALARM DEVICES SHALL BE PROVIDED WITH A LABEL WITH THE LETTERS "FIRE". LABELS SHALL MEET THE REQUIREMENTS FOR ¼ INCH HIGH LETTERS IN SPECIFICATION SECTION 16415A, PARAGRAPH 1.2.5.1 (IDENTIFICATION NAMEPLATES)."

7. **Sheet F4.02:** add the following two new Key Notes:

"6. MASS NOTIFICATION SYSTEM: PROVIDE A MASS NOTIFICATION SYSTEM STROBE ADJACENT TO ALL LOCATIONS INDICATED TO HAVE A VISUAL FIRE ALARM DEVICE. MASS NOTIFICATION SYSTEM STROBES SHALL BE IDENTICAL TO VISUAL FIRE ALARM DEVICES AS SPECIFIED IN SPECIFICATIONS SECTION 13851A, PARAGRAPH 2.6.4 (VISUAL NOTIFICATION APPLIANCES), EXCEPT THAT A BLUE LENS SHALL BE PROVIDED FOR THE MASS NOTIFICATION SYSTEM STROBES. MASS NOTIFICATION SYSTEM STROBES SHALL BE WIRED ON A COMPLETELY SEPARATE CIRCUIT FROM ANY OTHER FIRE ALARM CIRCUITS. MASS NOTIFICATION SYSTEM STROBES SHALL BE POWERED FROM THE MAIN FIRE ALARM PANEL AND SHALL BE INITIATED FROM A TOGGLE SWITCH LOCATED IN THE COMMUNICATIONS CONTROL ROOM (193) ADJACENT

TO THE FIRE ALARM ANNUNCIATOR PANEL (FAA). MASS NOTIFICATION SYSTEM STROBES SHALL BE UNLABELED."

- "7. VISUAL FIRE ALARM DEVICE LABELING: ALL VISUAL FIRE ALARM DEVICES SHALL BE PROVIDED WITH A LABEL WITH THE LETTERS "FIRE". LABELS SHALL MEET THE REQUIREMENTS FOR ¼ INCH HIGH LETTERS IN SPECIFICATION SECTION 16415A, PARAGRAPH 1.2.5.1 (IDENTIFICATION NAMEPLATES)."

8. **Sheet F4.02:** add the following two new Key Notes:

- "4. MASS NOTIFICATION SYSTEM: PROVIDE A MASS NOTIFICATION SYSTEM STROBE ADJACENT TO ALL LOCATIONS INDICATED TO HAVE A VISUAL FIRE ALARM DEVICE. MASS NOTIFICATION SYSTEM STROBES SHALL BE IDENTICAL TO VISUAL FIRE ALARM DEVICES AS SPECIFIED IN SPECIFICATIONS SECTION 13851A, PARAGRAPH 2.6.4 (VISUAL NOTIFICATION APPLIANCES), EXCEPT THAT A BLUE LENS SHALL BE PROVIDED FOR THE MASS NOTIFICATION SYSTEM STROBES. MASS NOTIFICATION SYSTEM STROBES SHALL BE WIRED ON A COMPLETELY SEPARATE CIRCUIT FROM ANY OTHER FIRE ALARM CIRCUITS. MASS NOTIFICATION SYSTEM STROBES SHALL BE POWERED FROM THE MAIN FIRE ALARM PANEL AND SHALL BE INITIATED FROM A TOGGLE SWITCH LOCATED IN THE COMMUNICATIONS CONTROL ROOM (193) ADJACENT TO THE FIRE ALARM ANNUNCIATOR PANEL (FAA). MASS NOTIFICATION SYSTEM STROBES SHALL BE UNLABELED."
- "5. VISUAL FIRE ALARM DEVICE LABELING: ALL VISUAL FIRE ALARM DEVICES SHALL BE PROVIDED WITH A LABEL WITH THE LETTERS "FIRE". LABELS SHALL MEET THE REQUIREMENTS FOR ¼ INCH HIGH LETTERS IN SPECIFICATION SECTION 16415A, PARAGRAPH 1.2.5.1 (IDENTIFICATION NAMEPLATES)."

9. **Sheet M1.03:**

- a) **KEYNOTE 16:** line 2, delete "FIRST 15 FEET".
- b) **Mezzanine Plan:** delete "60X36" duct size and substitute "50"DIA."

10. **Sheet E1.01:**

- a) **Room 103:** For Fixtures shown on perimeter of room on Switch b, add "P1" as the type of fixture required.
- b) **Room 138:** For Fixtures shown perimeter of room on Switch c, add "P1" as the type of fixture required.
- c) **Room 193:** Delete KEYNOTE 3 (number and symbol) and substitute "SEE GENERAL NOTE 3".
- d) **Room 176:** Delete KEYNOTE 24 (number and symbol) and substitute SEE GENERAL NOTE 9 on SHEET E1.02".

11. **Sheet E1.02:** ROOM 176, delete KEYNOTE 24 (number and symbol) and substitute "SEE GENERAL NOTE 9 on SHEET E1.02".

12. **Sheet E2.01:**

- a) **Rooms 119, 137, 155, and 183:** KEYNOTE number, delete "20" and substitute "2".

b) Add new KEYNOTE to the sheet as follows:

"2. REFERENCE SHEET F4.01 FOR REMOTE POWER SUPPLIES AS REQUIRED."

c) **Rooms 109, 111, 112:** Delete KEYNOTE 10 (symbol, number and leaders).

d) **Room 138:** for TU-110, delete circuit "MH-15" and substitute "LP1-17".

e) Delete Wiring in Rooms 193, 194 and 195. Reference Enlarged Plans on Sheet E2.06 for wiring in Rooms 130, 193, 194 and 195.

13. Sheet E6.01:

a) **Fixture H1:** under column "MOUNTING" delete contents and substitute the following: "STEM AT 10 FT AFF TO BOTTOM, EXCEPT IN ROOMS 196 AND M03 WHICH SHALL BE MOUNTED AT 20'-0" ABOVE FINISHED HIGH BAY SLAB"

b) **Fixtures S1, S2, S3:** under column "MOUNTING" delete the word "CONCRETE" and substitute "ALUMINUM".

c. **Drawings (Reissued).** The following 29 drawing sheets of drawing code AF 141-11-02 are revised as of the revision date shown on the drawings and reissued as a part of this amendment on the following website:

<http://ebs-nwo.wes.army.mil/ViewSolicitation.asp?SolicitationNumber=DACA45-03-B-0004&RegisterOption=True&ID=>

Sheets

M1.01 HVAC PLAN - AREA A
M2.08 MECHANICAL SECTIONS
MC.00 MECHANICAL COMPOSIT PLAN
S0.1 DESIGN NOTES AND SCHEDULES
S1.4 SLAB PLAN-AREA B
S2.1 ROOF FRAMING PLAN-AREA A
S2.2 ROOF FRAMING PLAN-AREA B, HOSE TOWER FRAMING PLANS
S3.7 FOUNDATION SECTIONS
S4.6 JOIST J-2A(SP)ELEVATION, LOAD DIAGRAMS & NOTES
S4.7 JOIST J-2B,2C,2D(SP)ELEVATION, LOAD DIAGRAMS & NOTES
S4.8 JOIST J-3A/4A THRU J3L/4L(SP) ELEVATION, LOAD DIAGRAMS & NOTES
S4.9 JOIST J-5A/6A THRU J-5D/6D(SP) ELEVATION, LOAD DIAGRAMS & NOTES
S4.10 JOIST J-7(SP), 26K JOIST, ELEVATION, LOAD DIAGRAMS AND NOTES
S4.15 SECTIONS
S4.27 SECTIONS
S4.28 SECTIONS
S4.30 SECTIONS
S4.31 SECTIONS
S4.41 SECTIONS AND DETAILS
S5.2 WALL ELEVATION 1
S5.3 WALL ELEVATIONS 2A, 2B, 36
S5.4 WALL ELEVATION 3 AND DETAIL
S5.6 WALL ELEVATIONS 5, 31, 32, 33A, 33B, 33C
S5.7 WALL ELEVATIONS 6, 23, 24

S5.8 WALL ELEVATIONS 7, 25
S5.11 WALL ELEVATIONS 15, 17, 18
S5.12 WALL ELEVATIONS 16, 19
S5.14 WALL ELEVATIONS 26, 27
S5.15 WALL ELEVATIONS

2. This amendment is a part of the bidding papers and its receipt shall be acknowledged on the Standard Form 1442. All other conditions and requirements of the specifications remain unchanged. If the bids have been mailed prior to receiving this amendment, you will notify the office where bids are opened, in the specified manner, immediately of its receipt and of any changes in your bid occasioned thereby.

a. Hand-Carried Bids shall be delivered to the U.S. Army Corps of Engineers, Omaha District, Contracting Division (Room 301), 106 South 15th Street, Omaha, Nebraska 68102-1618.

b. Mailed Bids shall be addressed as noted in Item 8 on Page 00010-1 of Standard Form 1442.

3. Bids will be received until 2:00 p.m., local time at place of bid opening, 16 July 2003.

Attachments:

Dwgs. listed in 1.c. above (posted to the website address)

U.S. Army Engineer District, Omaha
Corps of Engineers
106 South 15th Street
Omaha, Nebraska 68102-1618

03 July 2003
mrp/4413